

NonStop Computing Update: September 2004

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Welcome to the September 2004 edition of the *NonStop Computing Update*, a newsletter with information on HP NonStop servers. This newsletter provides brief synopses, with hotlinks for additional information where appropriate.

To subscribe, or for comments or feedback, please send e-mail to [Scott Lerner](#). Your comments, questions, and suggestions are always welcome

NonStop server news

Opsol OmniMessaging now available from HP

Opsol OmniMessaging Version 4.0 for NonStop servers is now available from HP. OmniMessaging provides e-mail, voice mail, short messages, and multimedia messages for mobile operators, fixed line telephone companies, Internet service providers, and large enterprises. The solution supports Web Mail, Microsoft® Outlook, and Microsoft Exchange. Documentation is available on the product CD in PDF and HTML formats and in the NonStop Technical Library (NTL). Select Opsol Products as the subject and OmniMessaging 4.0 as the category. This product has been qualified to run on NonStop Kernel operating system Release Version Update (RVU) G06.14 and later. Client software runs on Microsoft Windows® 95, 98, 2000, ME, and XP, and Windows NT® operating systems. For further information, see [Support Note S04084](#).

NonStop CORBA 2.3 software update 12 now available

NonStop CORBA 2.3 software is an implementation based on the Object Management Group's version 2.3 Component Object Request Broker Architecture (CORBA). This update of NonStop CORBA 2.3 software is a maintenance release and provides only defect repair. Refer to the Softdoc on the product CD for detailed defect repair information. This product has been qualified to run on Release Version G06 and later G-series RVUs. NonStop client software runs on Windows 2000 and Windows NT 4.0 operating systems. For further information, see [Support Note S04083](#).

NonStop Server for Java 4 software update 5 now available

NonStop Server for Java 4 software is a certified implementation of Java 2 Platform, Standard Edition (J2SE) software development kit 1.4.1. NonStop Server for Java 4 software provides an enterprise-class environment that allows users to run standard Java applications on NonStop servers. This update contains only defect repair; there are no new features. In addition, it contains the most current generally

available software product revisions (SPRs) for NonStop Server for Java 4 software. All of the included Java Database Connectivity (JDBC) Driver SPRs provide JDBC access to specific versions of the NonStop SQL database and conform, subject to the functionality offered by the NonStop SQL version, to the JDBC application program interface (API) specification, version 3.0. NonStop Server for Java 4 software is usable only on G06.20 and later RVUs. For details, see [Support Note S04087](#).

NonStop Remote Server Call/MP Version 7.1 software now available

NonStop Remote Server Call/MP (NonStop RSC/MP) software enables applications on PCs and other workstations to communicate with HP Pathway server classes and other NonStop processes. The NonStop system acts as the host to one or more client workstations. NonStop RSC/MP software permits workstations to invoke NonStop Transaction Services/MP (NonStop TS/MP) servers on NonStop hosts. Clients may communicate with the NonStop host by one or more of the following transports: TCP/IP, NetBIOS, IPX/SPX, or point-to-point asynchronous. This new version of NonStop RSC/MP software provides

- IPv6 in IPv4 mode
- Java support for Java Development Kit 1.4
- New client version certification for HP-UX 11i v1
- Support for Windows 95, Solaris 2.6 and 7.0, SCO 3.2.2 v5, HP-UX 10.2
- A new way to engage API logging
- The ability to configure Piccolo to listen on a specific IP address
- Additional logging of NonStop RSC/MP Access Control Server (ACS) information defect repairs

This product has been qualified to run on G06.11 and later RVUs and on workstations running Windows NT 4.0, Windows 2000, Windows 2000 Server, Windows 2003 Server, Windows 98, Windows ME, Windows XP, HP-UX 11.0 or 11iv1, Solaris 8.0 and 9.0, IBM AIX 5.1 or 5.2, SCO UnixWare 7.1.1 or 7.1.3, and Red Hat Linux 6.2 operating systems. For further information, see [Support Note S04086A](#).

NonStop DTE Release 6.7.1 software now available

NonStop Data Transformation Engine (DTE) software provides a high-performance, cost-effective alternative to writing or generating programs that translate diverse data models used by different applications into a common data format. It has four components:

- NonStop DTE Core
- Design Studio
- NonStop DTE-Tuxedo Server
- NonStop DTE-CORBA Server

This new release, based on Ascential's DataStage TX Release 6.7.1, adds adapters for NonStop SQL and inherits all other Ascential enhancements available on other platforms. Release 6.7.1 retains all other features from the previous releases. For further information, see [Support Note S04088](#).

NonStop Servlets for JSP Version 3 software update 1 now available

NonStop Servlets for JavaServer Pages (JSP) Version 3 software is a NonStop Kernel port of the Jakarta Tomcat Version 4.0.3 open source reference implementation of Java servlet and JSP technologies from Apache Software Foundation. Version 3 requires NonStop Server for Java 4 software (product ID SJ96V4) and inherits performance gains from that product. Update 1 of NonStop Servlets for JSP software contains only defect repair; there are no new features. The product has been qualified to run G06.20 and later G-series RVUs. For further information, see [Support Note S04089](#).

Success stories

Virtual TapeServer saves Copperweld more than 300 work-hours per month

“Copperweld is the largest and most diversified producer of steel tubular products in North America, with 14 plants and 2300 employees. Headquartered in Pittsburgh, PA, the company is the world’s leading manufacturer of bimetallic wire and bimetallic strip products.... Full volume backups and online dumps [for their NonStop server] were running almost continuously and taking up to 48 hours to complete. Restoring a single file was taking upwards of four hours to complete. They needed a solution with larger capacity and shorter recovery time. ‘We purchased Virtual TapeServer from HP knowing the solution was developed by TapeLabs,’ said Gary [Watson, manager of Technical Services and Database Technology.] ... Full volume backups now run in 80 minutes, and online dumps run in under an hour—a 96% reduction. ‘How could we not be happy about that?’ adds Gary. ‘Plus, the GUI tells me just how well the system is performing at a glance.’ Copperweld’s investment has paid off—the company is saving 300 man-hours a month just by eliminating manual tape mounts and maintenance. ‘[Virtual TapeServer](#) is outstanding. We couldn’t be happier,’ says Gary.” .

comForte and GreenHouse deliver SSL solution to MATAV

“MATAV, the leading Hungarian telecommunications service provider, faced a challenge when adding SSL encryption to their Telnet traffic. In their old environment, network sniffing was used to log operator activity for tracking down fraudulent activity. While a new security policy enforced protection of network traffic with SSL, logging of operator activity was still mandatory. comForte and GreenHouse teamed up to provide the solution: comForte’s SecurCS and SecurFTP are used to encrypt Telnet and FTP traffic. GreenHouse implemented a customized version of their product [TCPTrace](#) to log selected Pathway traffic into files on the NonStop system. Over 2 GBytes per day can be logged without any impact on CPU usage. With this custom-tailored solution, MATAV was able to fulfil their requirements within a short timeframe. ‘I was impressed with the dedication of comForte and GreenHouse,’ said MATAV’s project manager, Ersek Csaba. ‘Their ability to adapt their products to our specific requirements was a key factor to the success of this project.’”

Papé Group uses TIC tools and solutions for NonStop applications

The [Papé Group](#), the West’s premier capital equipment dealer, maintains large volumes of capital equipment and parts information on NonStop servers. “When Papé decided they wanted to integrate their servers with a high volume Web-based data input solution, [the director of Information Systems] turned to [Transaction Innovation Corporation](#) (TIC) for their experience and expertise with NonStop

systems. . . . Now, inventory and service reports are displayed and updated electronically via TIC's [Web product offerings], thus providing immediate access, and the peace of mind that they are accurate."

MCC consultant provides professional services to South African banking group

Absa contracted for Gary McCormack, a member of the Mission Critical Consultant (MCC) program, to conduct a Performance Analysis & Tuning (PAT) review to resolve queuing and throughput concerns on its NonStop server with BASE24 ATM/POS production node. Due to performance improvements identified and implemented, CPU cycles required per transaction were reduced by 12.5 percent, thus adding the effective processing power of another 1.5 processors. In addition, run times of the month-end bill-paying application were reduced by more than 50 percent by optimizing file parameters, disk cache, and disk processes, and by balancing the disk load. After the client upgraded to a NonStop S74008 server, a second mini PAT was conducted, which identified additional changes that resulted in a more than 15 percent reduction in total system read I/Os. Other changes were identified to reduce disk usage, enhance disk volume fault tolerance, and eliminate disk process queuing. For more information, contact [McCormack](#) at Int'l System Consultants Ltd at +1 (312) 803 0585.

General news

HP announces third-quarter 2004 results

HP [reported](#) preliminary financial results for its third fiscal quarter (ending July 31), which included third-quarter revenue of US\$18.9 billion, an increase of 9 percent year-over-year. Non-GAAP (generally accepted accounting principles) operating profit was US\$846 million for the quarter. Non-GAAP diluted earnings per share (EPS) was \$0.24 for the quarter, as compared to \$0.23 for the prior-year period. Non-GAAP diluted EPS and non-GAAP net earnings include a US\$142 million adjustment on an after-tax basis, or \$0.05 per diluted share. GAAP operating profit for the quarter was US\$657 million. GAAP diluted earnings was \$0.19 per share, up 90 percent from the prior-year period, which was \$0.10 per share. "Although we are satisfied with our performance in Personal Systems, Imaging and Printing, Software, and Services, these solid results were overshadowed by unacceptable execution in Enterprise Servers and Storage. We therefore are making immediate management changes. We are also accelerating our margin improvement plans in this business. With these changes, we expect our server and storage business to return to profitability in the fourth quarter," said Carly Fiorina, HP chairman and chief executive officer.

Finnish energy giant selects HP to manage its IT infrastructure

An August 23 [Computerworld](#) article by Scarlet Pruitt reports: "Finnish energy giant Fortum Corp. has signed a five-year agreement with Hewlett-Packard Co. to manage its IT infrastructure and support about 10,000 users across Europe. Under the first phase of the deal, HP will manage Fortum's data center, servers and workstation services in Finland, Sweden and Norway. HP will initially support about 8,000 workstations and provide on-site support and help desk services for about 10,000 users, Fortum said. . . . Although he declined to say how much money Fortum had spent managing its IT infrastructure in the past, [Fortum CIO Jouni] Keronen predicted 'significant' cost savings through the outsourcing

agreement. Under the deal, approximately 68 Fortum employees in Finland and 20 in Sweden will move to HP beginning Nov. 1. No layoffs are planned.”

CIO magazine names HP as among the “Agile 100”

For today’s leading companies, “business agility” means the ability to move quickly and to adapt intelligently to capitalize on business change. At the sixth annual [CIO 100 Symposium and Awards Ceremony](#), CIO magazine honors what it calls the “Agile 100”: organizations that have demonstrated their ability to quickly react to rapidly changing situations and environments while developing new growth opportunities. HP has been selected as a recipient of the prestigious award for 2004. Gilles Bouchard, CIO and executive vice president of Global Operations at HP, accepted the award on HP’s behalf at a ceremony in Colorado Springs on August 24. Several HP customers also made the list. Like HP, all of these firms have earned recognition as adaptive companies poised to move quickly to create opportunity in a world of constant change. .

Partner news

Nationwide Building Society licenses WebGate and SafeTGate products

On July 7, “[Insession Technologies](#), a business unit of Transaction Systems Architects (Nasdaq: TSAI) and sister company of ACI Worldwide, announced the licensing of its [WebGate](#) Web services solution and its SafeTGate network and application security solution to Nationwide Building Society. The world’s largest building society [and the United Kingdom’s fourth largest mortgage lender], Nationwide will use this technology to enhance customer service to its 10 million customers by integrating transaction devices, such as ATMs, branches, teller software and Internet banking services, across multiple mainframes.”

comForte introduces SecurLib, a library to add SSL to TCP/IP applications

[SecurLib](#) brings the power of comForte’s proven Secure Sockets Layer (SSL) implementation to existing TCP/IP applications on the NonStop platform. Without SecurLib, adding an SSL encryption layer to TCP/IP sockets in the HP Guardian environment is a daunting task. Open source libraries such as OpenSSL do not easily fit the Guardian “no-wait I/O” paradigm. Furthermore, even with portable libraries, a proper SSL implementation must be based on a thorough understanding of the underlying concepts. SecurLib hides all of these implementation complexities so that SSL encryption can be added by changing just a few lines of source code. HP has licenced SecurLib for incorporation into its Open System Management (OSM) product suite for NonStop servers.

CAIL integrates NonStop servers into IT infrastructure

[CAIL](#) connectivity solutions complement the NonStop platform by providing enhanced systems experience for users and superior tools to improve information services. CAIL has partnered with [Attachmate](#), the CAIL equivalent for connectivity in the IBM, UNIX®, Linux, and Unisys system communities. This partnership provides customers with a single desktop icon for connectivity to all or selected host applications in the enterprise. Having an enterprise connectivity strategy enables

companies to quickly and economically leverage their investment in current systems to address new business needs. As part of the strategy, NonStop systems are integrated into the IT infrastructure from a user perspective. This allows customers to reduce support demands, more easily manage systems, address new initiatives consistently across platforms, and save money. These are significant benefits. One customer with the integrated CAIL/Attachmate solution recently announced, “We have realized a savings of \$5 million in the first 18 months of this project!” For more information, contact CAIL at +1 (905) 940 9000 x2222.

TSI announces new StorageTek enterprise-level storage product

[TSI](#) announces a new storage product for NonStop servers. The StorageTek StreamLine SL8500 tape library is a state-of-the-art enterprise-level tape automation system that replaces the PowderHorn 4400/9310 tape libraries. The SL8500 is massively scalable—from 2,048 to 300,000 cartridge slots. It supports 64 to 1,984 LTO Gen II, 9840 A/B/C, and 9940 B tape drives in any combination. This multiplatform, mixed-media tape library is designed to accommodate large storage environments. Customers can start with a cost-effective configuration that meets current backup requirements and upgrade with future drive types and more cartridge slots to increase capacity during operation with no system downtime. TSI is a storage solution provider for HP platforms. For more information on TSI’s new enterprise-level storage products, contact TSI Sales at +1 (817) 354 8009.

TelePath 2.2: New LDAP integration and file conversion modules

[TelePath 2.2](#), the latest release of the TIC solution suite for seamless integration from the NonStop operating system to the Windows operating system, now offers two new modules in addition to the proven PGP (Pretty Good Privacy) and instant message offerings. The new modules include one for Lightweight Directory Access Protocol (LDAP) server integration and another for automatic file conversion from NonStop applications to PDF, Printer Control Language (PCL), Excel, Word, and other formats. For more information, send e-mail to [Sales Support](#).

Twinsoft named as Virtual TapeServer agent for German-speaking regions

Tape Labs has announced the appointment of Twinsoft GmbH and Co. KG as its authorized agent and representative for Germany, Austria, and Lichtenstein. Twinsoft will serve as local sales representation for TapeLabs, supporting sales efforts by the NonStop Enterprise Division. Virtual TapeServer, available from HP, is in heterogeneous production use by multiple referenceable NonStop system users. For more information, contact [TapeLabs](#) at +1 (310) 577 1700. Contact [Twinsoft](#) at +49 (02102) 3004-28.

All DSPP members are invited to NonStop Partner Summit

The [NonStop Partner Summit](#) takes place October 2–3 at the San Jose McEnery Convention Center in San Jose, California. All members of the Developer and Solution Partner Program (DSPP) are invited to attend free of charge. This year’s event features a special track dedicated to topics related to Intel® Itanium® processors. These sessions will provide all of the information needed for partners to be ready for the migration to Itanium processors on NonStop servers. The popular Executive and Technical Q&A panel features Pauline Nist and many other distinguished pundits. The Saturday evening networking

event provides the opportunity for participants to interact with HP executives, developers, and sales staff. Remember, there is no charge for partners to attend this conference.

User group news

Register now for ITUG Summit 2004 in October

Registration is now open for [ITUG Summit 2004](#), which will be held October 3–7 at the San Jose Convention Center in California. Hosted by ITUG and fully endorsed and supported by HP, ITUG Summit offers an extensive technical knowledge exchange among users, developers, partners, and engineers in the NonStop server technical community. The conference will feature

- Senior HP executive speakers, including Ann Livermore, Pauline Nist, Chris Rooke, and Jim Murphy
- Industry expert Carl Claunch, vice president, Research and Advisory Service, Gartner Group
- NonStop system user keynote session: A joint presentation by Warren Coles, PULSE EFT Association, and Bill Hammel, eFunds
- More than 180 technical sessions focusing on NonStop technology
- Free HP Certification Professional program exam overview sessions and testing center (free to registered conference attendees)
- Special Interest Group (SIG) sessions
- An exhibit hall showcasing NonStop products, solutions, and services as well as exhibits from more than 50 partners and vendors
- Plenty of networking opportunities
- Optional preconference educational seminars (October 2–3)
- NonStop Partner Summit (October 2–3)

The ever-growing ITUG Summit has developed into a major international industry event for IT professionals in the NonStop server community. Attendees represent all segments of this community including financial services, banking, healthcare, retail, and telecommunications. Nowhere else can you find so many NonStop server users under one roof, at one time.

OZTUG 2004: A resounding success

The [OZTUG 2004](#) Conference & Trade Show was once again a resounding success. More than 100 NonStop system professionals assembled for this year's event, held July 26–27 in Sydney, Australia, at the Stamford Plaza Double Bay Hotel. Delegates from Australia and Asia gathered together for this two-day conference with social activities. The event provided delegates with a diverse technical program and peer networking opportunities.

Regional User Group updates

ITUG has more than 30 active Regional User Groups (RUGs) worldwide and numerous SIGs. Get a complete look at the [2004 ITUG calendar](#) for RUGs and SIGs.

Midwest Roadshow: Three regional ITUG affiliates in the midwestern United States are hosting a roadshow, which starts with MRTUG in Schaumburg, Illinois, on September 14. Then it travels to MiTUG in Michigan on September 15, followed by OTUG on September 16.

- **ATUG**: Atlanta Tandem Users Group
- **BITUG**: British Isles NonStop User Group (meeting in Reading, England)
- **CTUG**: Canadian Tandem Users Group (meeting in Toronto)
- **DUST**: Desert USers of Tandem (meeting in Phoenix, Arizona)
- **FTUG**: A meeting of the French Tandem Users Group takes place at the Société Générale offices in Paris on September 16.
- **FINTUG**: Finnish Tandem User Group
- **GTUG**: German Tandem Users Group
- **HUG**: Houston User Group
- **INUG**: The Iberian NonStop Users Group is revitalizing and needs help in the reformation. Users in Spain and Portugal are asked to fill out an online survey form. Anyone interested in getting involved can send [e-mail](#).
- **LATUG**: The Latin America Tandem Users Group serves NonStop product customers in Argentina, Bolivia, Brazil, Chile, Colombia, Mexico, Paraguay, Peru, Puerto Rico, Venezuela, and Uruguay. For more information, visit the LATUG website.
- **MATUG**: Mid-Atlantic Tandem Users Group
- **MCTUG**: The Mid-Continent Tandem Users Group will hold its next meeting on September 1 at the HP Office in Overland Park, Kansas.
- **METUG**: Middle East Tandem Users Group
- **MiTUG**: The Michigan Tandem Users Group will hold its next meeting on September 15 at the HP Office in Livonia.
- **MRTUG**: The next meeting of the Midwest Region Tandem Users Group takes place at the HP Office in Schaumburg, Illinois, on September 14.
- **MSTUG**: Mid-Southern States NonStop User Group
- **N2TUG**: The North Texas and Oklahoma Tandem Users Group held an HP Education Day on August 12 in Dallas. For details, visit the N2TUG website.
- **NCTUG**: The Northern California Tandem User Group held an HP Education Day on August 26 in Cupertino.
- **NRTUG**: Northeast Region Tandem Users Group
- **OTUG**: The Ohio Tandem Users Group is holding its next meeting on September 16 at the JPMorgan Chase (Bank One) offices in Columbus.
- **OZTUG**: Australian NonStop User Group (meeting in Sydney)
- **PNUTS**: Pacific Northwest Users of Tandem Systems
- **RMTUG**: The Rocky Mountains Tandem Users Group is holding its next meeting on September 9 at the HP Office in Lone Tree, Colorado.
- **SATUG**: Southern African Tandem User Group

- [SCTUG](#): Southern California Tandem Users Group (meeting in El Segundo)
- [SunTUG](#): The Florida NonStop Users Group will hold a Technical Training Day on November 17. Stay tuned for details.
- [TUMS](#): Tandem Users of the Minneapolis/St. Paul Area
- [VNUG](#): Viking NonStop User Group (meeting in Stockholm)

Education news

ITUG Summit 2004 expands participants' knowledge

The [ITUG Summit 2004](#) takes place October 3–7 at the San Jose Convention Center in San Jose, California. Participants can customize their ITUG Summit experience by selecting topic threads and audience levels to improve their learning experience. ITUG provides an enhanced technical program that includes different audience levels to ensure that participants' educational experience fits their needs. Attendees can expand and sharpen their technical expertise through a choice of technical sessions—more than 180 sessions—presented by HP developers, managers, and product engineers; experienced NonStop server users; and third-party vendors. .

Service and support news

New HP services for NonStop systems

Several HP service offerings are being [expanded](#), with global availability expected to start in September 2004, to reinforce the NonStop server's role as the de facto industry standard for businesses running applications that require the ultimate in high availability. These comprehensive service offerings focus on proactive measures to avoid downtime, complementing the technology with people and process expertise. New NonStop services include

- **HP Critical Service:** Proactive on-site assistance integrated with fast reactive support, including standard repair time commitments, immediate access to NonStop system experts, and priority escalation processes
- **HP Proactive 24 Service:** Proactive and reactive support, including access to NonStop system experts and rapid response to hardware and software issues
- **HP Support Plus 24:** Reactive, 24 x 7 NonStop server support, as HP engineers work with the customer's IT team

For those customers that require support above and beyond the standard plans, HP offers the Mission Critical Partnership, which provides custom-tailored services directly targeting strategic business goals to help meet the most demanding service-level agreements. Due to the wide range of options and capabilities now available for NonStop server support, HP recommends that current customers contact their service or sales representative, who is prepared to configure support and services that will meet business needs.

Fun stuff

BMW WilliamsF1 team scores seven points in Hungary

The start of the thirteenth Grand Prix of the 2004 season brought mixed emotions for the BMW WilliamsF1 team drivers. Juan Pablo Montoya made a great start from seventh position on the grid and was fourth at the end of the first lap. Antonio Pizzonia (sixth on the grid) made a rather poor start and dropped to eleventh position before fighting his way back to finish in seventh place. During the course of the race, both BMW WilliamsF1 team drivers delivered solid performances, resulting in placements that earned the team seven points. Montoya defended his fourth place until the end and was never in danger of being passed by fifth-placed Jenson Button (B.A.R. Honda). However, he couldn't get close enough to third-placed Renault driver Fernando Alonso to pass him for a podium result. Michael Schumacher and Rubens Barrichello of Ferrari took first and second places, respectively. To read more about the race, go to the [home page](#) and select Race Archive from the Season 2004 menu. Then select GP Hungary.

Important phone numbers and links

(Phone numbers are for North America only, unless otherwise noted.)

- [NonStop Computing News](#)— The very latest NonStop product news.
- [Global Customer Support Center](#): 1 (800) 255 5010 (U.S. only)— Technical hardware and software defect support and usage assistance.
- [NonStop Presales Group](#): 1 (800) 282 6672— Product information, price quotations, order processing information.
- [NonStop eServices portal](#)— A convenient, password-protected portal with access to a wide variety of services.
- [Partnerships and solutions](#)— Information on strategic partnerships, partner products, services, and solutions.
- [NonStop technology education](#): 1 (800) 472 5277— Education schedules, information, prices, and class enrollments.
- [NonStop Technical Library](#)— A wide range of NonStop product publications, including technical manuals, articles, and support information.
- [NonStop Direct online store](#): 1 (800) 482 6336— Convenient product ordering by phone or the Web.
- [Business continuity and disaster recovery solutions](#)— Basic information about business continuity, NonStop server products and services for business continuity and disaster recovery, and customer successes.
- [Software developers' information](#)— Information for developers of NonStop system applications.
- [Interactive Upgrade Guide](#)— An interactive tool to help plan system release migrations.
- [Internet-enabled applications](#)— Preserving your investment in NonStop system business

applications and databases while applying the latest Internet technologies.

- [Product information for NonStop servers](#)
- [ITUG](#), a user group for the NonStop server community: +1 (312) 321 6851
- [Customer support](#)
- [A One-Stop Site for Service Providers](#)
- [Privacy statement](#)

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